INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

Frank O'Bannon
Governor

Lori F. Kaplan
Commissioner

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July 17, 2003

TO: Interested Parties / Applicant

RE: Milestone Contractors. L.P. 057-17419-03289

FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision - Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, ISTA Building, 150 W. Market Street, Suite 618, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

(1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
(2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
(3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

(1) the name and address of the person making the request;
(2) the interest of the person making the request;
(3) identification of any persons represented by the person making the request;
(4) the reasons, with particularity, for the request;
(5) the issues, with particularity, proposed for considerations at any hearing; and
(6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures

FNPERAM.wpd 8/21/02

July 17, 2003

Mr. Ron Terrel
Milestone Contractors, L. P.
P. O. Box 421459
Indianapolis, IN 46242-1459

Re: 057-17419-03289
First Administrative Amendment to
FESOP 057-14104-03289

Dear Mr. Terrel:

Milestone Contractors, L. P. was issued a FESOP on February 14, 2002 for a stationary asphalt pavement production plant. A letter requesting changes to this permit was received on April 2, 2003.

Milestone Contractors, L.P. has submitted a request to:

(a) remove one (1) of their existing 20,000 gallon horizontal liquid asphalt storage tanks (Tank 12),
(b) add two (2) new 20,000 gallon vertical liquid asphalt storage tanks, to be identified as Tanks 15 and 16, and
(c) add one (1) 1,000 gallon liquid asphalt calibration tank, to be identified as Tank 17.

The addition of the proposed tanks will not cause any increases in production or emissions from the existing units.

Therefore, the emissions generated by the proposed modification are the particulate matter (PM), PM10, volatile organic compound (VOC), carbon monoxide (CO) and hazardous air pollutant (HAP) emissions generated by the proposed tanks.

Based on the emission estimates performed, the PM, PM10, VOC, CO, single HAP, and combined HAP unrestricted potential to emit (UPTE) are estimated to be 0.06, 0.06, 0.95, 0.09, <10, and 0.03 tons/yr, respectively.

Each pollutant's UPTE is less than its respective 326 IAC 2-8-11.1(d) Minor Permit Revision low end applicable level of 5, 5, 10, 25, 10, and 25 tons per year. In addition, there are no changes to any existing conditions that are required, and there are no new applicable requirements that are triggered.

Therefore, the proposed tanks shall be incorporated into the existing FESOP via an Administrative Amendment pursuant to 326 IAC 2-8-10(a)(6) which states that any changes to an existing FESOP which consist solely of descriptive information where the revision will not trigger a new applicable requirement or violate a permit term, may be incorporated into the existing FESOP via an Administrative Amendment.

In addition, the 40 CFR 60.116b requirements associated with Tanks 22 and F03 shall be amended to correct an error in applicability which incorrectly required the source to comply with the requirements of 40 CFR 60.116b(a), (b), and (d). Only the requirements of 40 CFR 60.116b(a) and (b) apply.

To incorporate the proposed tanks and other proposed changes into the existing FESOP, the following changes shall be made. All added language indicated in bold type. All deleted information is struck-out.

(1) Condition A.3:

Condition A.3 shall be revised as follows to remove Tank 12 and add proposed tanks 15, 16, and 17.

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]
This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

(a) one (1) natural gas fired hot oil heater rated at 2.2 MMBtu per hour, identified as emission unit No. 17, using No.2 fuel oil as back-up fuel, and exhausting at one (1) stack, identified as DS-6;
(b) one (1) natural gas-fired tank heater rated at 1.3 MMBtu per hour, identified as emission unit No. 13, using No.2 fuel oil as back-up fuel, and exhausting at two (2) stacks, identified as DS-2A and DS-2B;
(c) **three** ~~two~~ (~~2~~**3**) liquid asphalt storage tanks, identified as Tanks ~~12 and~~ 14, **15, and 16,** ~~respectively,~~ each with a maximum storage capacity of 20,000 gallons, **with emissions exhausted through** ~~each exhausting at one (1) stack, identified as~~ **Stacks** DV-3**,** ~~and~~ DV-5, **and DV-6,** respectively;
.....

(t) paved and unpaved roads and parking lots with public access; ~~and~~
(u) a laboratory as defined in 326 IAC 2-7-1(20)(C)**; and**
(v) one (1) liquid asphalt calibration tank, identified as Tank 17.

(2) Unit Description of Section D.2:

The unit description of Section D.2 shall be amended as follow to include proposed tanks 15 and 16.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

(~~c~~**a**) one (1) liquid asphalt storage tank, identified as Tank 22, with a maximum storage capacity of 30,000 gallons, exhausting at one (1) stack, identified as DV-7; and
(~~d~~**b**) one (1) double-walled re-refined waste oil storage tank, identified as Tank F03, with a maximum storage capacity of 30,000 gallons.
(c) two (2) liquid asphalt storage tanks, identified as Tanks 15 and 16, each with a maximum storage capacity of 20,000 gallons, with emissions exhausted through Stacks DV-5, and DV-6.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

(3) Condition D.2.1:

Condition D.2.1 shall be amended as follows to remove the 40 CFR 60.116b(d) requirements and to add proposed tanks 15 and 16.

D.2.1 Record Keeping Requirements [326 IAC 12][40 CFR 60.110b, Subpart Kb]

~~(a)~~ Pursuant to 40 CFR Part 60.110b, Subpart Kb (Standards of Performance for Volatile Organic Liquid Storage Vessels), the **owner or operator shall, for Tanks** ~~one (1) 30,000 gallon asphalt storage tank (Tank~~ 22~~), and the one (1) 30,000 gallon re-refined waste oil storage tank (Tank~~ F03~~), each with a vapor pressure of less than 15.0 kPa, are subject to 40 CFR Part 60.116b, paragraphs (a), (b), and (d) which require record keeping.~~ **15, and 16, keep readily accessible records showing the dimension and capacity of the storage tanks.**

~~(b) To document compliance with paragraph (a) above, the Permittee shall maintain permanent records at the source in accordance with (1) through (3) below:~~

~~(1) the dimension of each storage vessel;~~

~~(2) an analysis showing the capacity of each storage vessel; and~~

~~(3) the true vapor pressure of each VOC stored in the 30,000 gallon asphalt storage tank (Tank 22) and the 30,000 gallon re-refined waste oil storage tank (Tank F03), indicating that the maximum true vapor pressure of VOC is less than 15.0 kPa.~~

~~(c) All~~ **Said** records shall be maintained in accordance with Section C - General Record Keeping Requirements~~,~~ of this permit **except that the records shall be kept for the life of the respective tanks**.

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this modification and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Scott Fulton, OAQ, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, or call at (800) 451-6027, press 0 and ask for Scott Fulton or extension 3-5691, or dial (317) 233-5691.

Sincerely,

Original Signed by Paul Dubenetzky
Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments
SDF
cc: File - Hamilton County
U.S. EPA, Region V
Hamilton County Health Department
Air Compliance Section Inspector - Marc Goldman
Compliance Data Section - Karen Nowak
Administrative and Development
Technical Support and Modeling - Michele Boner

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) RENEWAL OFFICE OF AIR QUALITY

Milestone Contractors, L.P.
5160 East 96th Street
Indianapolis, Indiana 46240

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: F057-14104-03289	Date Issued: February 14, 2002

First Significant Permit Revision No.:057-16293-03289	Date Issued: October 7, 2002

First Administrative Amendment No.: F057-17419-03289	Affected Pages: 6 and 32
Issued by: Original Signed by Paul Dubenetzky Paul Dubenetzky, Branch Chief Office of Air Quality	Issued: July 17, 2003

(c) three (3) liquid asphalt storage tanks, identified as Tanks 14, 15, and 16, each with a maximum storage capacity of 20,000 gallons, with emissions exhausted through Stacks DV-3, DV-5, and DV-6, respectively;
(d) one (1) double-walled No. 2 fuel oil storage tank, identified as Tank F04, with a maximum storage capacity of 10,000 gallons;
(e) one (1) cold feed system consisting of eight (8) compartments with a total aggregate holding capacity of 400 tons;
(f) three (3) storage silos each with a maximum storage capacity of 300 tons;
(g) three (3) storage silos each with a maximum storage capacity of 200 tons;
(h) one (1) dust storage silo with a maximum capacity of 650 barrels;
(i) one (1) dust pod;
(j) Reclaimed Asphalt Pavement (RAP) bins with a capacity of 30 tons;
(k) aggregate storage piles with a total maximum storage capacity of 32,159 tons;
(l) one (1) RAP storage pile with a total maximum storage capacity of 8,640 tons;
(m) combustion source flame safety purging on startup;
(n) a gasoline fuel transfer and dispensing operation handling less than or equal to 1,300 gallons per day, such as filling of tanks, locomotives, automobiles, having a storage capacity less than or equal to 10,500 gallons;
(o) a petroleum fuel, other than gasoline, dispensing facility, having a storage capacity of less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month;
(p) vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids;
(q) application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings;
(r) cleaners and solvents having a vapor pressure equal to or less than 2 kPa; 15mm Hg; or 0.3 psi measured at 38 degrees C (100ºF) or; having a vapor pressure equal to or less than 0.7 kPa; 5 mm Hg; or 0.1 psi measured at 20ºC (68º); the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months;
(s) closed loop heating and cooling systems;
(t) paved and unpaved roads and parking lots with public access;
(u) a laboratory as defined in 326 IAC 2-7-1(20)(C); and
(v) one (1) liquid asphalt calibration tank, identified as Tank 17.

A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) to renew a Federally Enforceable State Operating Permit (FESOP).

A.5 Prior Permits Superseded [326 IAC 2-1.1-9.5]

(a) All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either

(1) incorporated as originally stated,

(2) revised, or

(3) deleted

by this permit.

(b) All previous registrations and permits are superseded by this permit.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

(a) one (1) liquid asphalt storage tank, identified as Tank 22, with a maximum storage capacity of 30,000 gallons, exhausting at one (1) stack, identified as DV-7; and
(b) one (1) double-walled re-refined waste oil storage tank, identified as Tank F03, with a maximum storage capacity of 30,000 gallons.
(c) two (2) liquid asphalt storage tanks, identified as Tanks 15 and 16, each with a maximum storage capacity of 20,000 gallons, with emissions exhausted through Stacks DV-5, and DV-6.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Record Keeping and Reporting Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.2.1 Record Keeping Requirements [326 IAC 12][40 CFR 60.110b, Subpart Kb]

Pursuant to 40 CFR Part 60.110b, Subpart Kb (Standards of Performance for Volatile Organic Liquid Storage Vessels), the owner or operator shall, for Tanks 22, F03, 15, and 16, keep readily accessible records showing the dimension and capacity of the storage tanks.

Said records shall be maintained in accordance with Section C - General Record Keeping Requirements of this permit except that the records shall be kept for the life of the respective tanks.

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for an Administrative Amendment to a Federally Enforceable Operating Permit (FESOP)

Source Background and Description

Source Name:	Milestone Contractors, L.P.
Source Location:	5160 East 96th Street, Indianapolis, Indiana 46240
County:	Hamilton
SIC Code:	2951
Operation Permit No.:	F057-14104-03289
Date Issued:	February 14, 2002
1st Administrative Amendment No.:	057-17419-03289
Permit Reviewer:	SDF

The Office of Air Quality (OAQ) has reviewed an application from Milestone Contractors, L.P. relating to the operation of their stationary asphalt pavement production plant.

Request

On April 2, 2003, Milestone Contractors, L.P. submitted a request to:

(a) remove one (1) of their existing 20,000 gallon horizontal liquid asphalt storage tanks (Tank 12),
(b) add two (2) new 20,000 gallon vertical liquid asphalt storage tanks, to be identified as Tanks 15 and 16, and
(c) add one (1) 1,000 gallon liquid asphalt calibration tank, to be identified as Tank 17.

The addition of the proposed tanks will not cause any increases in production or emissions from the existing units.

Therefore, the emissions generated by the proposed modification are the particulate matter (PM), PM10, volatile organic compound (VOC), carbon monoxide (CO) and hazardous air pollutant (HAP) emissions generated by the proposed tanks.

Based on the emission estimates performed, the PM, PM10, VOC, CO, single HAP, and combined HAP unrestricted potential to emit (UPTE) are estimated to be 0.06, 0.06, 0.95, 0.09, <10, and 0.03 tons/yr, respectively.

Each pollutant's UPTE is less than its respective 326 IAC 2-8-11.1(d) Minor Permit Revision low end applicable level of 5, 5, 10, 25, 10, and 25 tons per year. In addition, there are no changes to any existing conditions that are required, and there are no new applicable requirements that are triggered.

Therefore, the proposed tanks shall be incorporated into the existing FESOP via an Administrative Amendment pursuant to 326 IAC 2-8-10(a)(6) which states that any changes to an existing FESOP which consist solely of descriptive information where the revision will not trigger a new applicable requirement or violate a permit term, may be incorporated into the existing FESOP via an Administrative Amendment.

Existing Approvals

The source has been operating under FESOP 057-14104-03289, issued on February 14, 2002 and First Significant Permit Revision 057-16293-03289, issued on October 7, 2002.

Recommendation

The staff recommends to the Commissioner that the Administrative Amendment be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information obtained by phone on June 2, 2003.

Emission Calculations

The emissions generated by the proposed modification are the proposed tank PM, PM10, VOC, CO, and HAP emissions. The following calculations determine the unrestricted potential to emit (UPTE) and emissions after controls due to the modification.

(1) Unrestricted Potential to Emit (UPTE):

The storage emissions generated by the proposed tanks are the storage tank filling and storage PM, PM10, VOC, CO, and HAP emissions. The following calculations determine these emissions.

The emissions are determined utilizing AP-42 emission factors which are based on a lb/ton basis. Therefore, before determining the emissions, it is necessary to determine the fraction increase in capacity, the maximum amount liquid asphalt produced per hour, and the maximum amount of liquid asphalt produced per hour that will be moved through the proposed tanks.

Fraction Increase In Capacity:

The current liquid asphalt storage capacity at Milestone is 70,000 gallons. Milestone is proposing removing one (1) 20,000 gallon storage tank and adding two (2) 20,000 gallon storage tanks and one (1) 1,000 gallon calibration tank. Therefore, the new storage capacity will be 91,000 gallons.

70,000 gallons - 20,000 gallons + 41,000 gallons = 91,000 gallons.

The fraction increase in capacity is estimated to be 0.45.

41,000 gallons / 91,000 gallons = 0.45

Maximum Amount of Liquid Asphalt Produced Per Hour:

The maximum amount of asphalt that can be produced is 600 tons per hour. AP-42 states that 8% of asphalt produced is liquid asphalt. Therefore, the maximum amount of liquid asphalt produced per hour is 48 tons/hr.

600 tons/hr * 0.08 = 48 tons/hr

Maximum Amount of Liquid Asphalt Produced Per Hour That Will Be Moved Through Proposed Tanks:

The maximum amount of liquid asphalt produced per hour that will be moved through the proposed tanks is the product of the estimated maximum amount of liquid asphalt produced per hour and the fraction increase in storage capacity, or 21.60 tons per hour.

48 tons/hr * 0.45 = 21.60 tons/hr

(a) PM(PM10):

The following calculations determine the PM(PM10) UPTE based on filling and storage emissions, a maximum amount of liquid asphalt of 21.60 tons/hr, AP-42 methodologies, emissions before controls, and 8760 hours of operation.

Ef: 0.000332 + 0.00105*(-V) * e((0.0251) * (T + 460) - 20.43) =
0.000332 + 0.00105*(-(-0.5)) * e((0.0251) * (325 + 460) - 20.43) = 0.0006 lb/ton

where: Ef = emission factor (lb/ton)
V = default asphalt volatility (-0.5)
T = default temperature (325)

21.60 tons/hr * 0.0006 lb PM/ton * 1/2000 ton PM/lb PM * 8760 hr/yr = 0.06 tons/yr

PM10 is determined to be equal to PM in this case.

(b) VOC:

The following calculations determine the VOC UPTE based on filling and storage emissions, a maximum amount of liquid asphalt of 21.60 tons/hr, AP-42 methodologies, emissions before controls, and 8760 hours of operation.

Ef: 0.0504 * (-V) * e((0.0251) * (T + 460) - 20.43) =
0.0504 * (-(-0.5)) * e((0.0251) * (325 + 460) - 20.43) = 0.01 lb/ton

where: Ef = emission factor (lb/ton)
V = default asphalt volatility (-0.5)
T = default temperature (325)

21.60 tons/hr * 0.01 lb VOC/ton * 1/2000 ton VOC/lb VOC * 8760 hr/yr = 0.95 tons/yr

(c) CO:

The following calculations determine the CO UPTE based on filling and storage emissions, a maximum amount of liquid asphalt of 21.60 tons/hr, AP-42 methodologies, emissions before controls, and 8760 hours of operation.

Ef: 0.00488 * (-V) * e((0.0251) * (T + 460) - 20.43) =
0.00488 * (-(-0.5)) * e((0.0251) * (325 + 460) - 20.43) = 0.001 lb/ton

where: Ef = emission factor (lb/ton)
V = default asphalt volatility (-0.5)
T = default temperature (325)

21.60 tons/hr * 0.001 lb CO/ton * 1/2000 ton CO/lb CO * 8760 hr/yr = 0.09 tons/yr

(d) Combined HAPs:

AP-42 states that the combined HAP emissions are 2.8% of the VOC emissions. The combined HAP emissions based on the AP-42 fraction of 2.8% is estimated to be 0.02 tons/yr.

0.028 * 0.95 tons/yr = 0.0.03 tons/yr

(2) Emissions After Controls:

All applicable emissions are uncontrolled.

Potential To Emit

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as "the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U.S. EPA."

This table reflects the PTE before controls due to the modification based on the above estimated emissions calculations. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	0.06
PM-10	0.06
SO_2	-
VOC	0.95
CO	0.09
NO_x	-

Note: For the purpose of determining Title V applicability for particulates, PM-10, not PM, is the regulated pollutant in consideration.

HAPs	Potential To Emit (tons/year)
Combined HAPs	0.03

Each pollutant's UPTE is less than its respective 326 IAC 2-8-11.1(d) Minor Permit Revision low end applicable level of 5, 5, 10, 25, 10, and 25 tons per year. In addition, there are no changes to any existing conditions that are required, and there are no new applicable requirements that are triggered.

Therefore, the proposed tanks shall be incorporated into the existing FESOP via an Administrative Amendment pursuant to 326 IAC 2-8-10(a)(6) which states that any changes to an existing FESOP which consist solely of descriptive information where the revision will not trigger a new applicable requirement or violate a permit term, may be incorporated into the existing FESOP via an Administrative Amendment.

County Attainment Status

The source is located in Hamilton County.

Pollutant	Status
PM_{10}	attainment or unclassifiable
SO_2	attainment or unclassifiable
NO_2	attainment or unclassifiable
Ozone	attainment or unclassifiable
CO	attainment or unclassifiable
Lead	attainment or unclassifiable

(a) Volatile organic compounds (VOC) are precursors for the formation of ozone. Therefore, VOC emissions are considered when evaluating the rule applicability relating to the ozone standards. Hamilton County has been designated as attainment or unclassifiable for ozone. Therefore, the VOC emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration, 326 IAC 2-2.

(b) Hamilton County has been classified as attainment or unclassifiable for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Source Status

Source Emissions (emissions after controls, based upon 8760 hours of operation per year at rated capacity and/or as otherwise limited), as obtained from the Technical Support Document (TSD) of FESOP 057-14104-03289, issued on February 14, 2002:

Unit	PM (tons/yr)	PM10 (tons/yr)	SO2 (tons/yr)	NOx (tons/yr)	VOC (tons/yr)	CO (tons/yr)	Worst Case Single HAP (tons/yr)	Comb. HAPs (tons/yr)
Source	90.02	99.00	99.00	99.00	99.00	30.33	<10	<25

PSD Major Levels	250	250	250	250	250	250	-	-
Part 70 Major Levels	-	100	100	100	100	100	10	25

(a) The mixing and drying operation PM emissions were limited in FESOP 057-14104-03289, under 40 CFR 60, Subpart I, to 0.04 gr/dscf which, combined with the other existing limitations and standards, limited the source PM emissions to 90.02 tons per year.

(b) The mixing and drying operation PM10 emissions were limited in FESOP 057-14104-03289, to 0.036 pound/ton of asphalt mix which, combined with the other existing limitations and standards, limited the source PM10 emissions to 99.00 tons/yr.

(c) In FESOP 057-14104-03289, the re-refined oil fuel use for the aggregate dryer burner was limited to 1,654,966 gallons or it's equivalent which, combined with the other existing limitations and standards, limited the source SO2 emissions to 99.00 tons/yr.

(d) In FESOP 057-14104-03289, the aggregate dryer burner natural gas usage was limited to 691.5 million cubic feet (MMcf) per twelve (12) consecutive month period, rolled on a monthly basis which, combined with the other existing limitations and standards, limited the source NOx emissions to 99.00 tons per year.

(e) In FESOP 057-14104-03289, the amount of gelled asphalt with VOC solvent liquid binder used in the production of cold mix asphalt was limited to 2,964 tons of VOC solvent per twelve (12) consecutive month period which, combined with the other existing limitations and standards, limited the source VOC emissions to 99.00 tons per year.

(f) The existing source is not a major PSD stationary source because no criteria pollutant emissions are greater than the applicable level or 250 tons per year or more and it is not one of the 28 listed source categories.

(g) This source is not a Part 70 major stationary source because no criteria pollutants exceed the applicable level of 100 tons per year and the single and combined HAP emissions are less than the respective applicable levels of 10 and 25 tons per year.

Emissions After the Modification

Emissions after the modification based on emissions after controls and 8760 hours of operation per year at rated capacity, and after implementation of all applicable limits or standards:

Unit	PM (tons/yr)	PM10 (tons/yr)	SO2 (tons/yr)	NOx (tons/yr)	VOC (tons/yr)	CO (tons/yr)	Worst Case Single HAP (tons/yr)	Comb. HAPs (tons/yr)
Dryer and Burner	78.17	94.80	91.23	96.81	24.81	29.04	<10	22.91
Tank and Hot Oil Heaters	0.22	0.36	7.77	2.19	0.08	1.29	-	neg.
Conveying/Handling	5.38	2.55	-	-	-	-	-	-
Unpaved Roads	5.94	1.19	-	-	-	-	-	-
Aggregate Storage	0.31	0.11	-	-	-	-	-	-
Cold Mix VOC Storage	-	-	-	-	74.10	-	-	-
Modification	0.06	0.06	-	-	0.95	0.09	<10	0.03
	90.08	99.07	99.00	99.00	99.94	30.42	<10	22.94

PSD Major Levels	250	250	250	250	250	250	-	-
Part 70 Major Levels	-	100	100	100	100	100	10	25

(a) The source after the proposed modification is still not a major PSD stationary source because no criteria pollutant emissions are greater than the applicable level or 250 tons per year or more and it is not one of the 28 listed source categories.

(b) This source after the proposed modification is still not a Part 70 major stationary source because no criteria pollutants exceed the applicable level of 100 tons per year and the single and combined HAP emissions are less than the respective applicable levels of 10 and 25 tons per year.

Federal Rule Applicability

(a) New Source Performance Standards (NSPS):

(1) This source is still subject to New Source Performance Standard, 40 CFR 60, Subpart I. The proposed tank will have no impact on the current requirements.

(2) Tanks 22 and F03 are still subject to 40 CFR 60, Subpart Kb. The proposed tanks will have no impact on the rule applicability.

However, upon review of the Technical Support Document (TSD) for FESOP 057-14104-03289, it was determined that there was an error made in the applicability determination.

The TSD states that since the tanks each were constructed after the applicable date of July 23, 1984, have a capacity greater than the 6.110b(a) applicable level of 40 cubic meters, and have a capacity greater than or equal to 75 cubic meters but less than 150 cubic meters and a true vapor pressure less than 15 kilopascals, the requirements of 40 CFR 60.116b(a), (b), and (d) apply.

However, pursuant to 40 CFR 60.110b(c), each tank with a capacity greater than or equal to 75 cubic meters but less than 150 cubic meters with a true vapor pressure less than 15 kilopascals, is only subject to paragraphs (a) and (b) of 40 CFR 60.116b. Tanks 22 and F03 should have only been subject to 40 CFR 60.116b(a) and (b).

Therefore, the applicable requirements in the permit shall be changed appropriately.

(3) The proposed storage tanks (Tanks 15, 16, and 17) are not subject to the requirements of 40 CFR 60, Subpart K, “Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973 and Prior to May 19, 1978" because the tanks will be constructed after the applicable date of May 19, 1978.

(4) The proposed storage tanks (Tanks 15, 16, and 17) are not subject to the requirements of 40 CFR 60, Subpart Ka, “Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978 and Prior to July 23, 1984" because the tanks will be constructed after the applicable date of July 23, 1984.

(5) Proposed storage tanks (Tanks 15 and 16) are subject to the requirements of 40 CFR 60, Subpart Kb, “Standards of Performance for Storage Vessels for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984" because each tank’s capacity (20,000 gallons) is less than the applicable level of 10,567 gallons (40 cubic meters).

Pursuant to 40 CFR 60.110b(c), each tank with a capacity greater than or equal to 75 cubic meters (19,813 gallons) but less than 151 cubic meters (39,890 gallons) with a true vapor pressure less than 15 kilopascals, is only subject to paragraphs (a) and (b) of 40 CFR 60.116b.

Each tank's capacity (20,000 gallons) falls within the 40 CFR 60.110b(c) applicable range of 75 cubic meters (19,813 gallons) and 151 cubic meters (39,890 gallons) and the true vapor pressure (1.3 E-8 kPa) is less than the 40 CFR 60.110b(c) applicable level of 15 kPa. Therefore, only Paragraphs (a) and (b) of 60.116b apply.

Pursuant to 40 CFR 60.116b(a) and (b), the owner or operator shall, for each vessel, keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel.

Said records shall be kept for the life of the tanks.

Proposed tank (Tank 17) is not subject to the requirements of 40 CFR 60, Subpart Kb because the capacity (1000 gallons) is less than the low end applicable level of 40 cubic meters (10,567 gallons).

(b) National Emission Standards for Hazardous Air Pollutants (NESHAPs):

There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14 and 40 CFR Part 61) applicable to this source.

State Rule Applicability

(a) Entire State Rule Applicability:

(1) 326 IAC 1-7 (Stack Height Provisions):

The stack height provisions of 326 IAC 1-7 still apply. The proposed tanks will not affect the status of these requirements.

(2) 326 IAC 2-6 (Emission Reporting):

The emission reporting requirements of 326 IAC 2-6 still do not apply because the VOC emissions (99 tons per year) are less than the Hamilton County applicable level of 100 tons per year.

(3) 326 IAC 2-8 (FESOP):

The existing limits that prevent the source from being a Part 70 major source under 326 IAC 2-7 or a major PSD source under 326 IAC 2-2 still apply because the proposed tanks will not affect the status of these limits.

(4) 326 IAC 2-8-4(9) (Preventive Maintenance Plan)

The 326 IAC 2-8-4(9) preventive maintenance plan requirements still apply. The proposed tanks will not affect the status of these requirements.

(5) 326 IAC 4-1 (Open Burning):

The requirements of 326 IAC 4-1 still apply. The proposed tanks will not affect the status of these requirements.

(6) 326 IAC 5-1 (Visible Opacity Limitations):

The requirements of 326 IAC 5-1 still apply. The proposed tanks will not affect the status of these requirements.

(7) 326 IAC 6-4 (Fugitive Dust Emissions):

The fugitive dust requirements of 326 IAC 6-4 still apply. The proposed tanks will not affect the status of these requirements.

(8) 326 IAC 6-5 (Fugitive PM Emissions):

The fugitive PM emission requirements of 326 IAC 6-5 still apply. The proposed tanks will not affect the status of these requirements.

(b) Individual Unit Sate Rules, Proposed Liquid Asphalt Storage Tanks:

(1) 326 IAC 2-4.1 (New Source Toxics Control)

The requirements of 326 IAC 2-4.1-1 do not apply to the proposed modification because the single and combined HAP emissions are less than the respective applicable levels of 10 and 25 tons per year.

(2) 326 IAC 8-4-3:

The requirements of 326 IAC 8-4-3 do not apply to the proposed tanks (Tanks 15, 16, and 17) because each tank's capacity (20,000, 20,000, and 1,000 gallons) is less than the applicable capacity of 39,000 gallons.

(3) 326 IAC 8-9:

The requirements of 326 IAC 8-9 do not apply to the proposed tanks (Tanks 15, 16, and 17) because the source is not located in any of the applicable counties (Lake, Porter, Clark, or Floyd).

(4) 326 IAC 8-1-6:

Although there are no other Article 8 rules that apply, the requirements of 326 IAC 8-1-6 do not apply to the proposed tanks because the VOC unrestricted potential to emit (UPTE), 1.35 tons per year, is less than the applicable level of 25 tons per year.

Changes to the Permit

The following lists the changes to the existing permit that are necessary to incorporate the proposed tanks and other changes. All added language indicated in bold type. All deleted information is struck-out.

(1) Condition A.3:

Condition A.3 shall be revised as follows to remove Tank 12 and add proposed tanks 15, 16, and 17.

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

(a) one (1) natural gas fired hot oil heater rated at 2.2 MMBtu per hour, identified as emission unit No. 17, using No.2 fuel oil as back-up fuel, and exhausting at one (1) stack, identified as DS-6;
(b) one (1) natural gas-fired tank heater rated at 1.3 MMBtu per hour, identified as emission unit No. 13, using No.2 fuel oil as back-up fuel, and exhausting at two (2) stacks, identified as DS-2A and DS-2B;
(c) **three** ~~two~~ (~~2~~**3**) liquid asphalt storage tanks, identified as Tanks ~~12 and~~ 14, **15, and 16,** ~~respectively,~~ each with a maximum storage capacity of 20,000 gallons, **with emissions exhausted through** ~~each exhausting at one (1) stack, identified as~~ **Stacks** DV-3**,** ~~and~~ DV-5, **and DV-6,** respectively;

.....

(t) paved and unpaved roads and parking lots with public access; ~~and~~
(u) a laboratory as defined in 326 IAC 2-7-1(20)(C)**; and**
(v) one (1) liquid asphalt calibration tank, identified as Tank 17.

(2) Unit Description of Section D.2:

The unit description of Section D.2 shall be amended as follow to include proposed tanks 15 and 16.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

(~~c~~**a**) one (1) liquid asphalt storage tank, identified as Tank 22, with a maximum storage capacity of 30,000 gallons, exhausting at one (1) stack, identified as DV-7; and
(~~d~~**b**) one (1) double-walled re-refined waste oil storage tank, identified as Tank F03, with a maximum storage capacity of 30,000 gallons.
(c) two (2) liquid asphalt storage tanks, identified as Tanks 15 and 16, each with a maximum storage capacity of 20,000 gallons, with emissions exhausted through Stacks DV-5, and DV-6.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

(3) Condition D.2.1:

Condition D.2.1 shall be amended as follows to remove the 40 CFR 60.116b(d) requirements and to add proposed tanks 15 and 16.

D.2.1 Record Keeping Requirements [326 IAC 12][40 CFR 60.110b, Subpart Kb]

~~(a)~~ Pursuant to 40 CFR Part 60.110b, Subpart Kb (Standards of Performance for Volatile Organic Liquid Storage Vessels), the **owner or operator shall, for Tanks** ~~one (1) 30,000 gallon asphalt storage tank (Tank~~ 22~~), and the one (1) 30,000 gallon re-refined waste oil storage tank (Tank~~ F03~~), each with a vapor pressure of less than 15.0 kPa, are subject to 40 CFR Part 60.116b, paragraphs (a), (b), and (d) which require record keeping.~~ **15, and 16, keep readily accessible records showing the dimension and capacity of the storage tanks.**

~~(b) To document compliance with paragraph (a) above, the Permittee shall maintain permanent records at the source in accordance with (1) through (3) below:~~

~~(1) the dimension of each storage vessel;~~

~~(2) an analysis showing the capacity of each storage vessel; and~~

~~(3) the true vapor pressure of each VOC stored in the 30,000 gallon asphalt storage tank (Tank 22) and the 30,000 gallon re-refined waste oil storage tank (Tank F03), indicating that the maximum true vapor pressure of VOC is less than 15.0 kPa.~~

~~(c) All~~ **Said** records shall be maintained in accordance with Section C - General Record Keeping Requirements~~,~~ of this permit **except that the records shall be kept for the life of the respective tanks**.

Conclusion

The proposed tanks shall be constructed and operated according to the provisions of the existing permit, Administrative Amendment 057-17419-03289, and all other existing source approvals.